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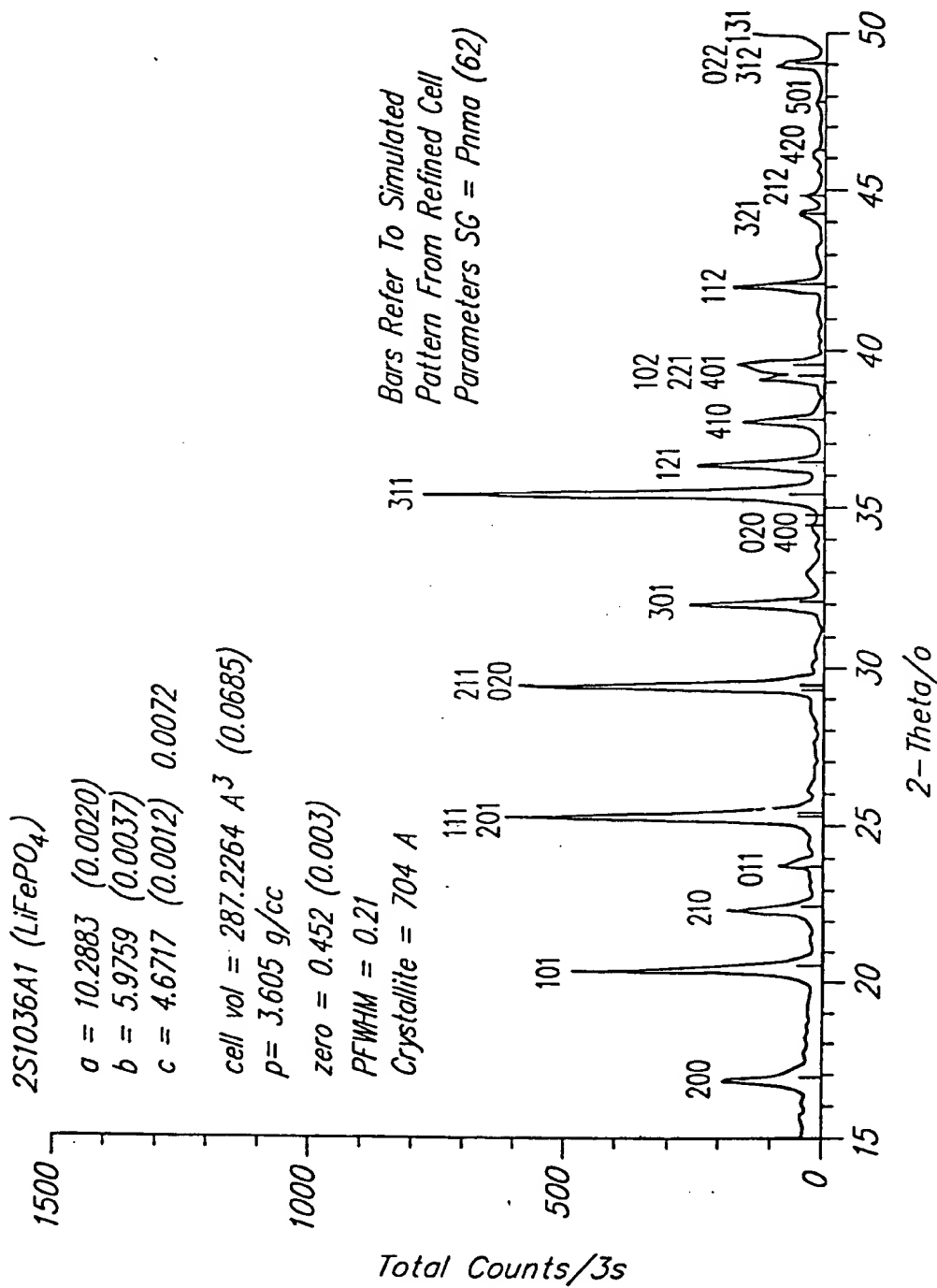


FIG. 1



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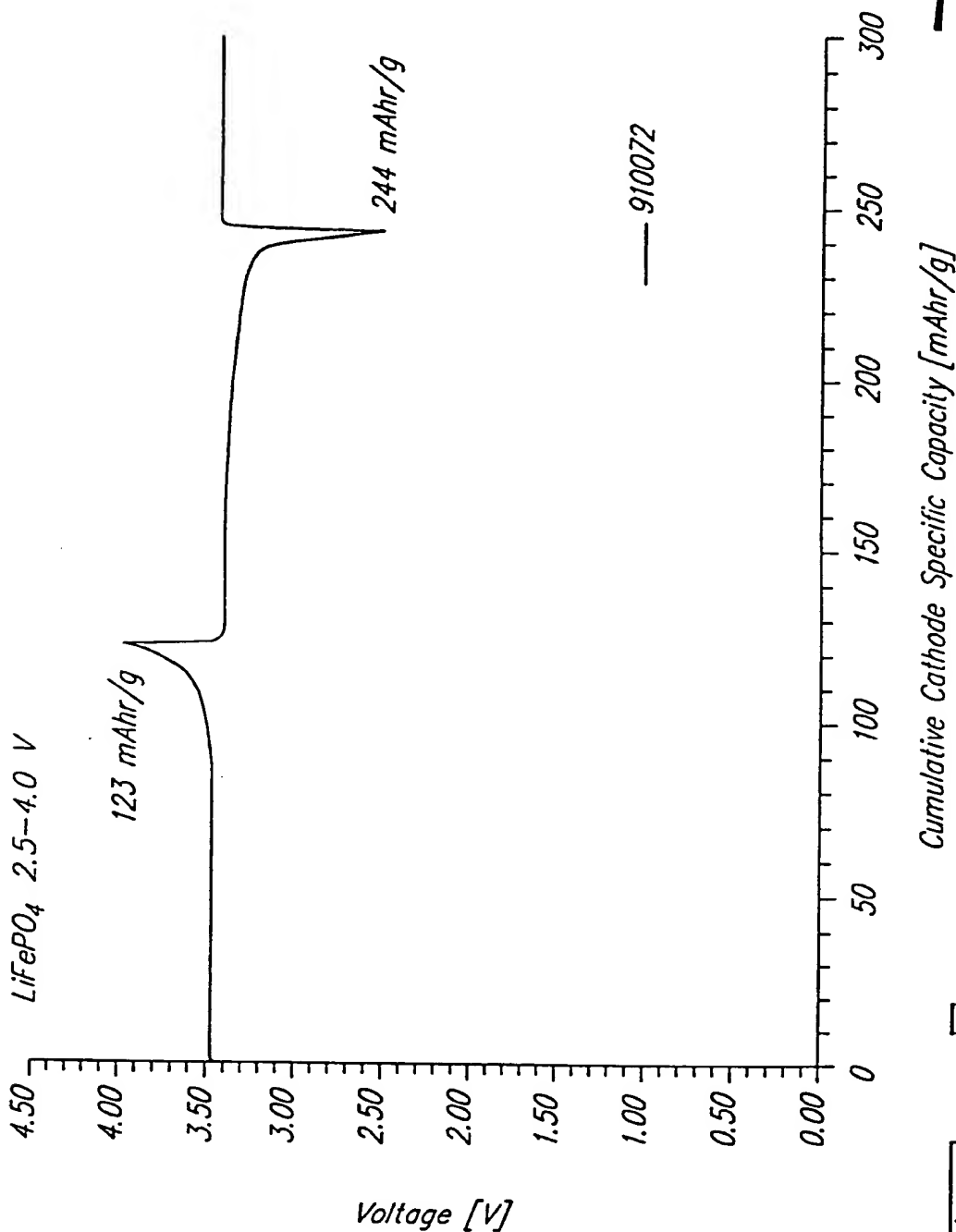


FIG. 1



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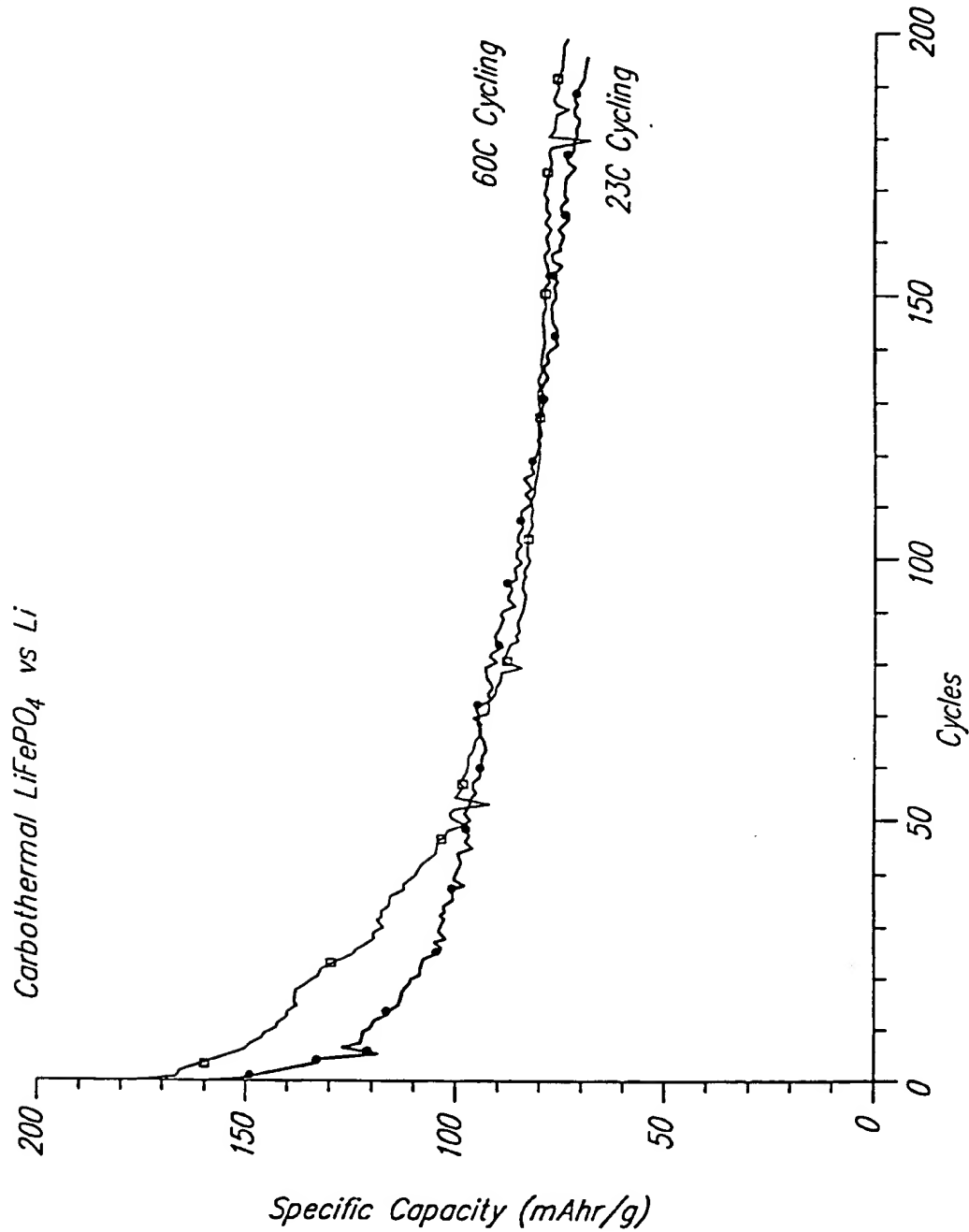


FIG. 2.

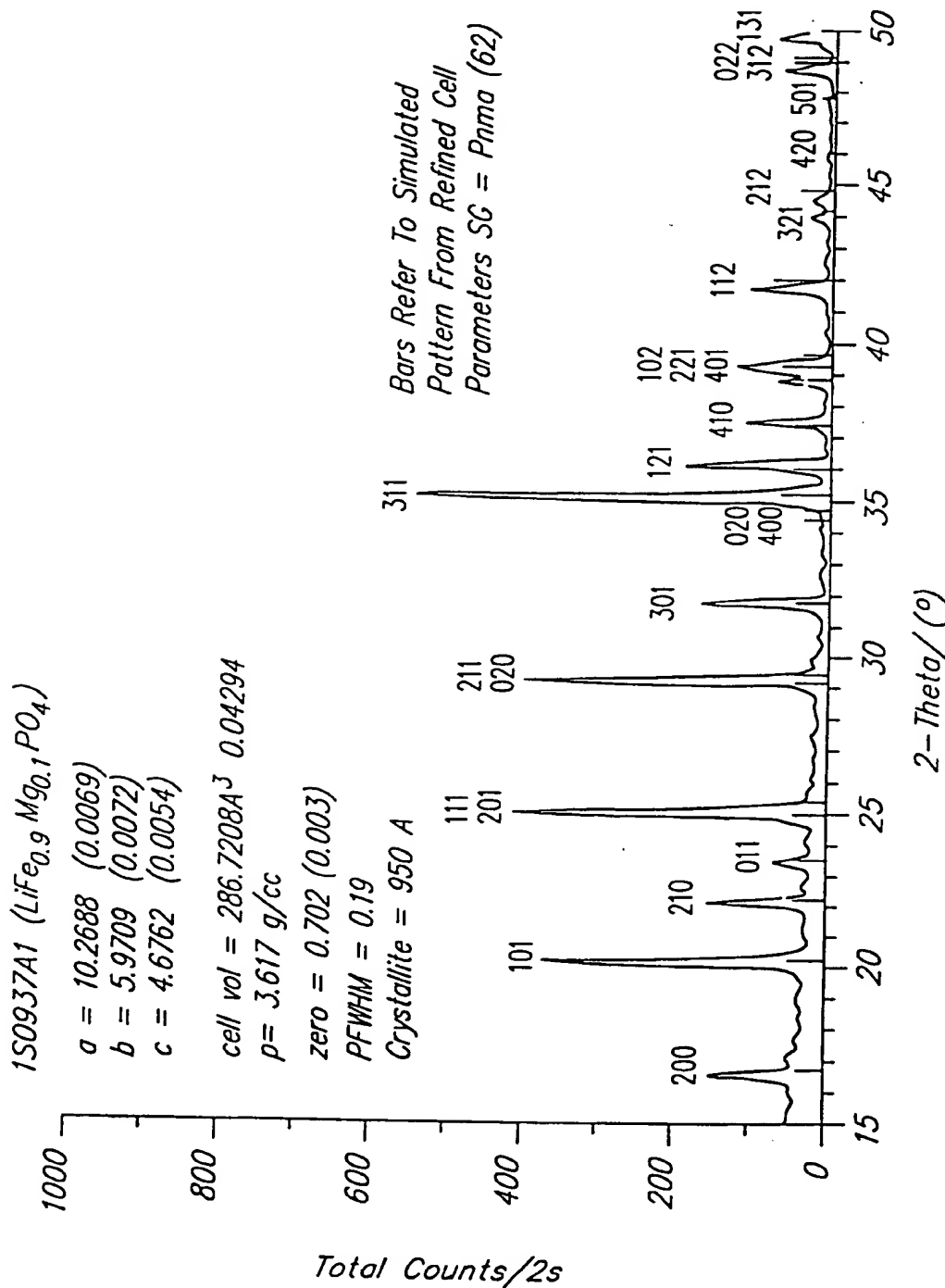


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FILE 4.

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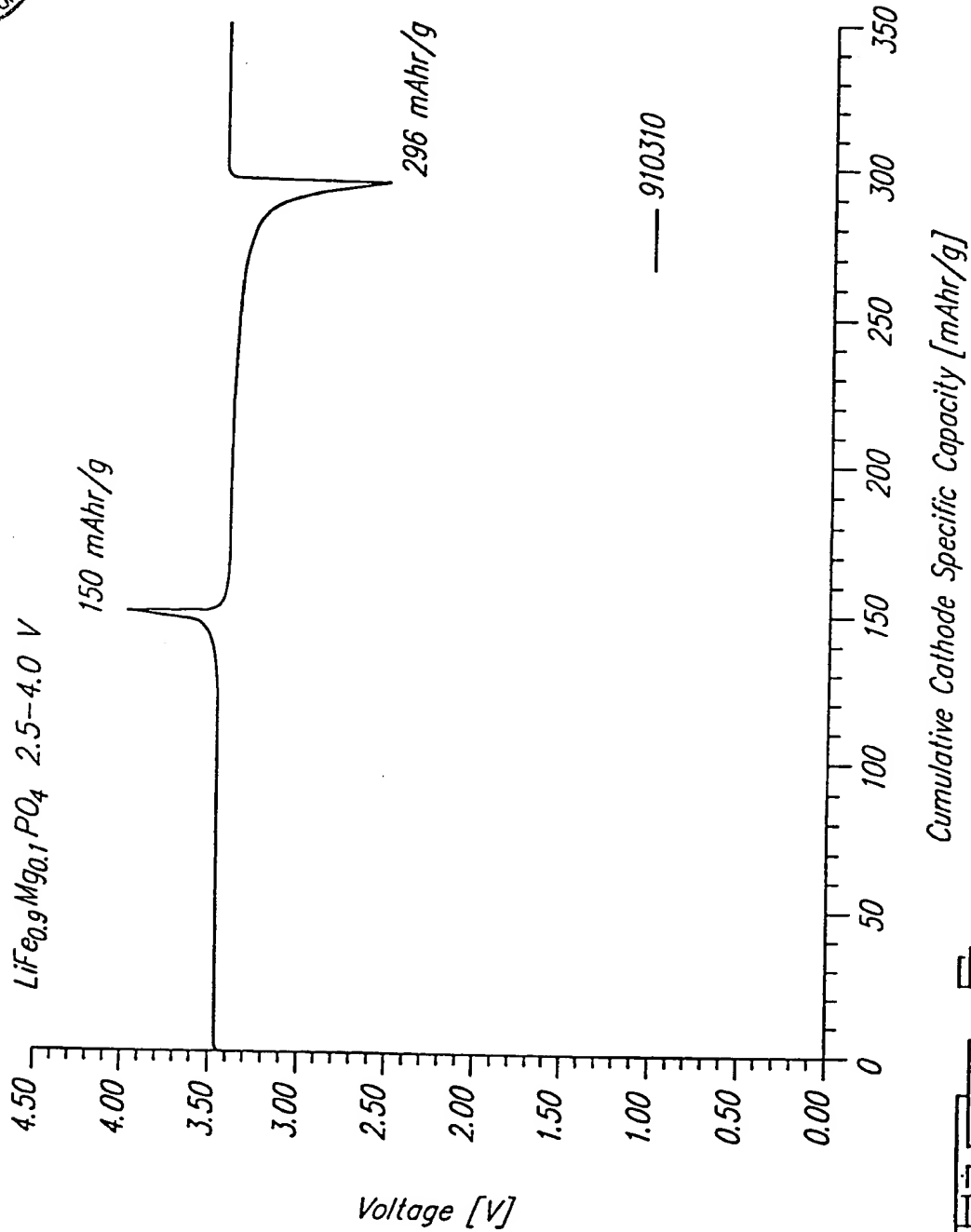


FIG. 5.

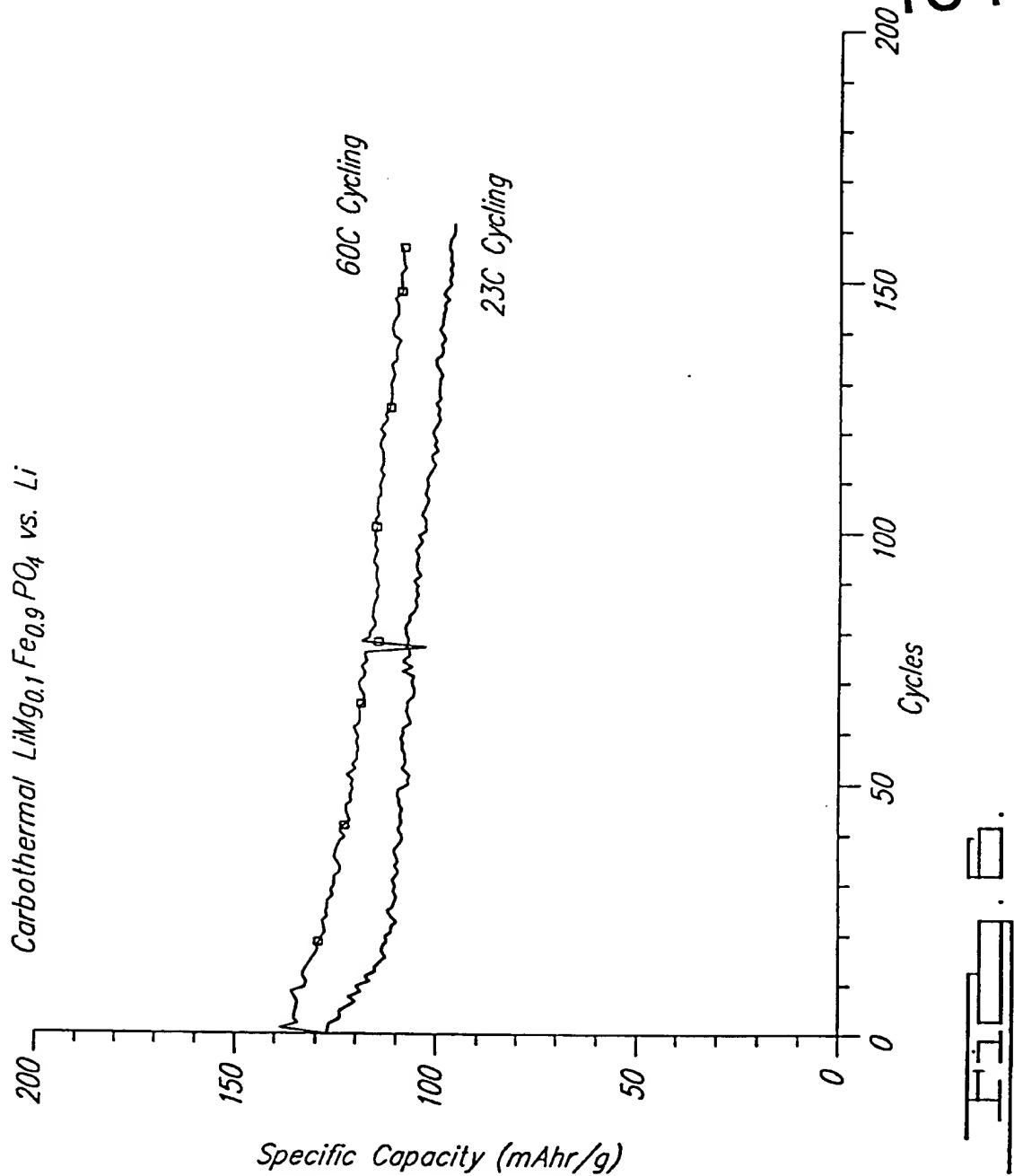


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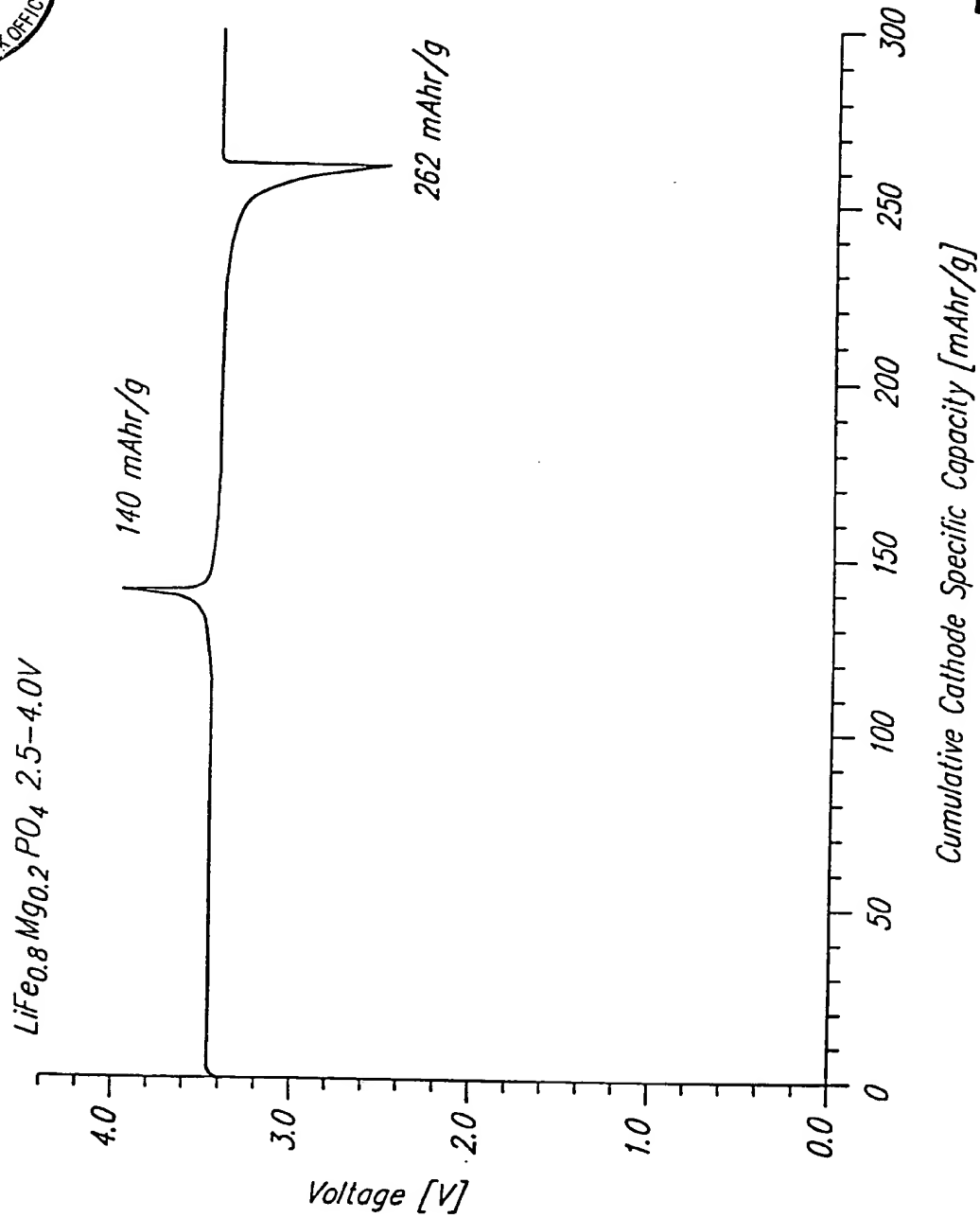
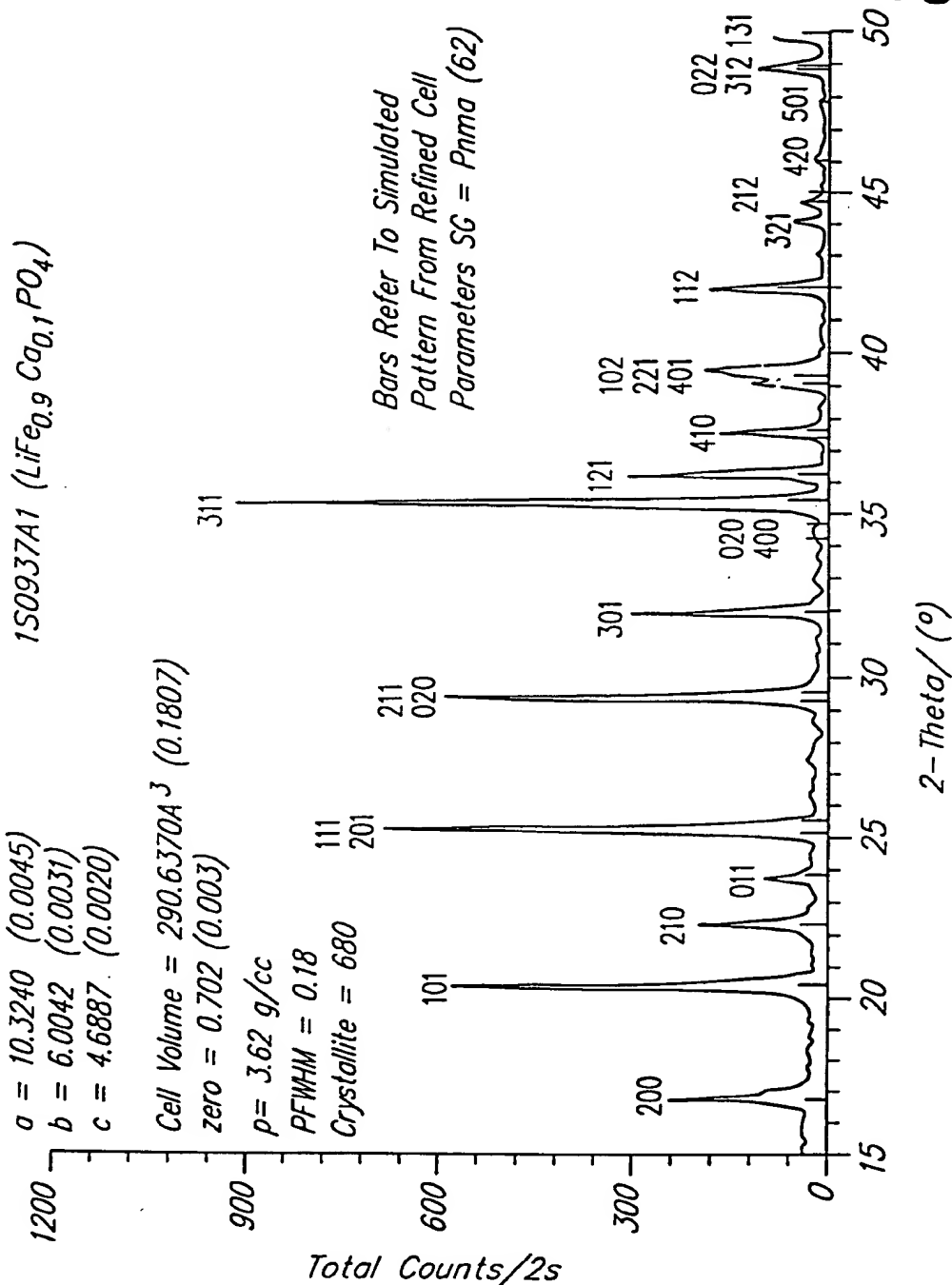


FIG. 1



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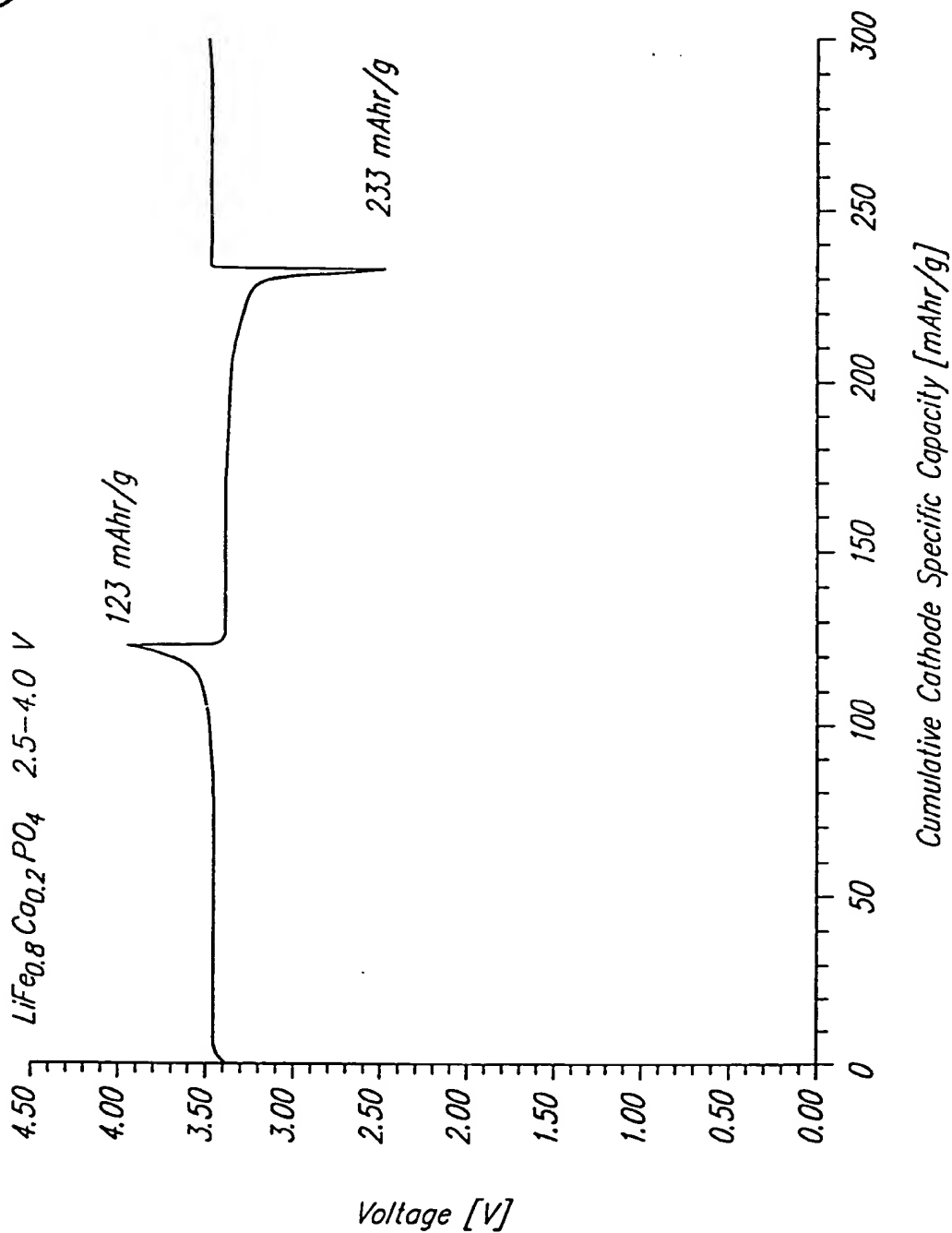


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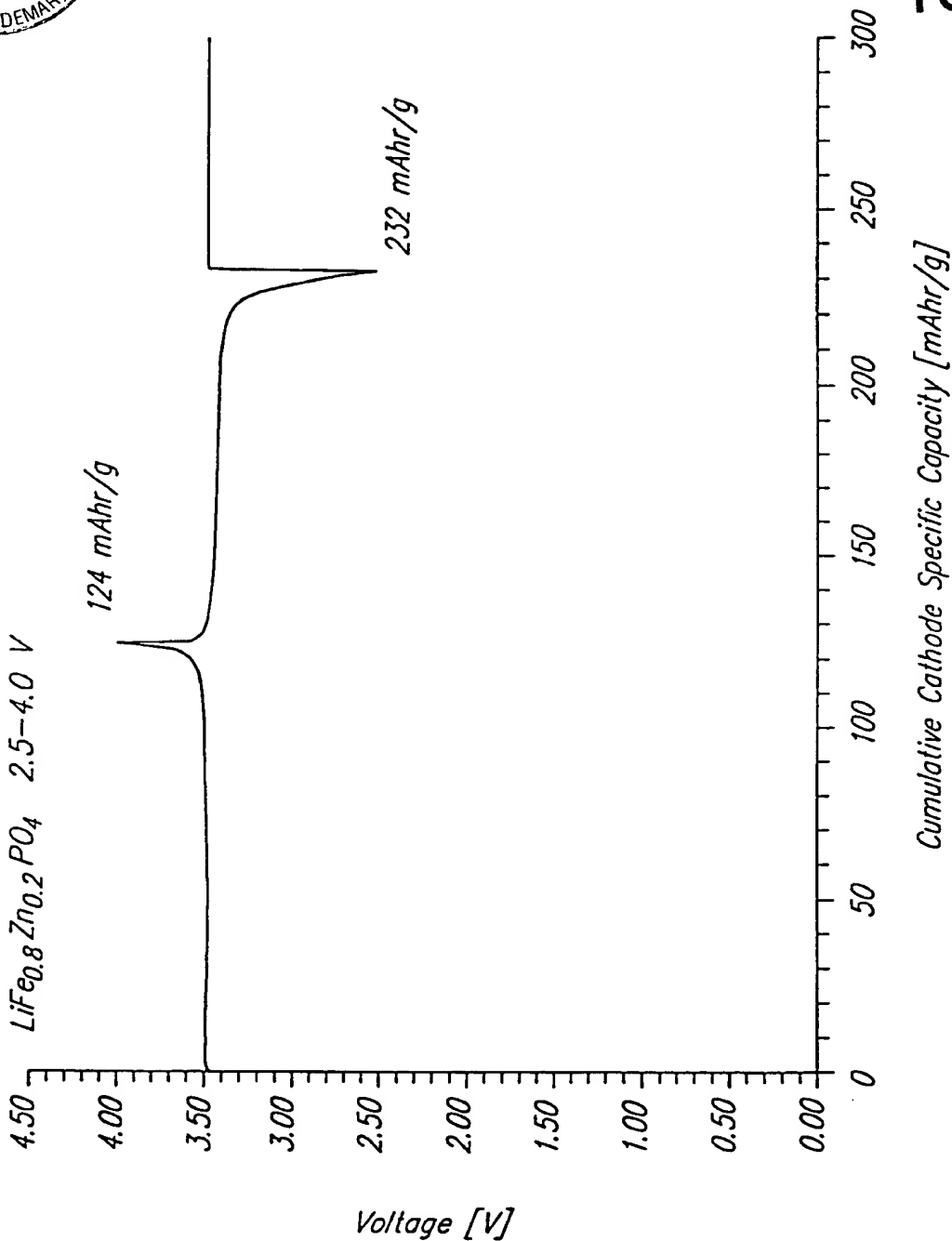


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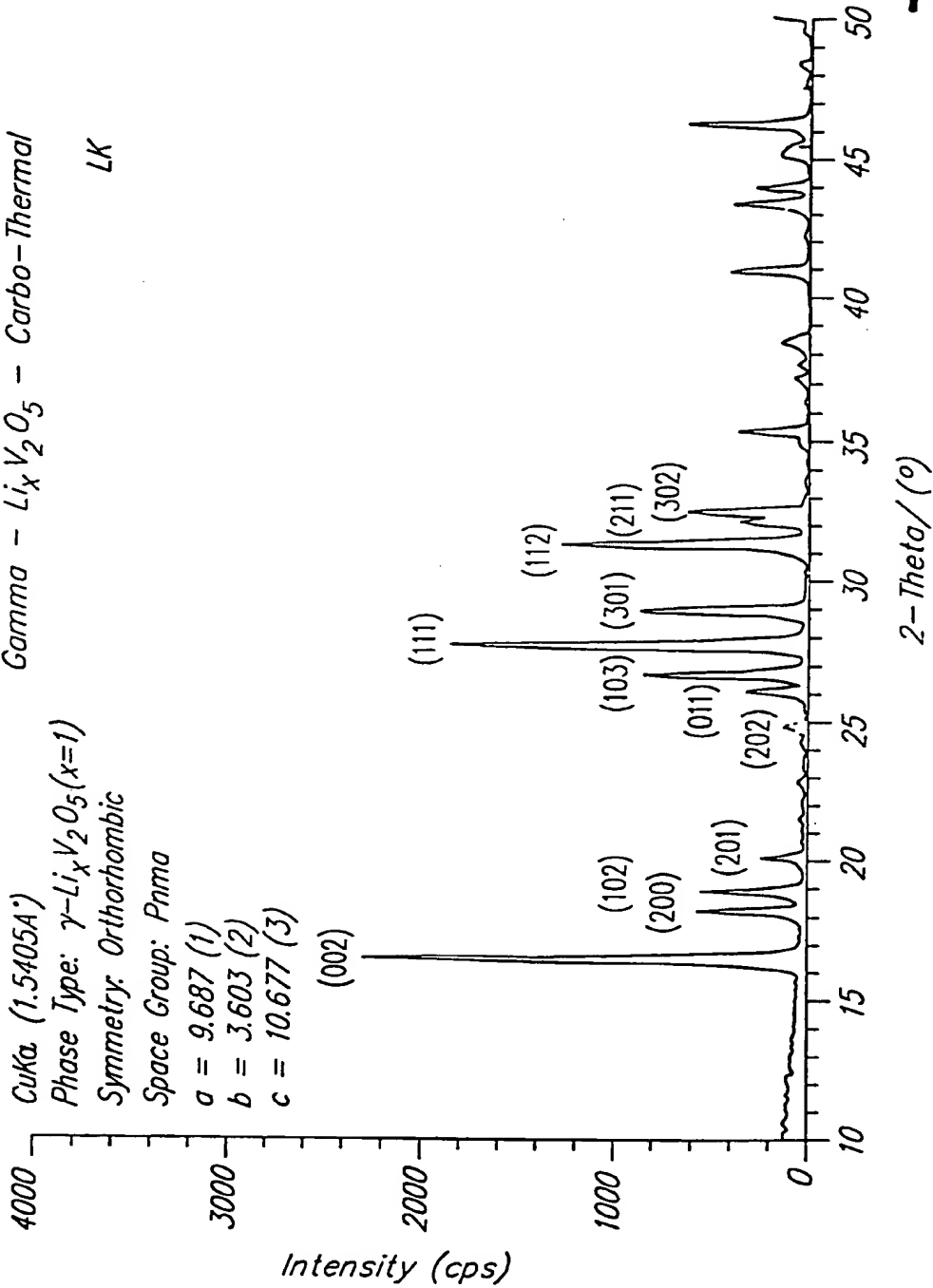
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Gamma - $\text{Li}_x\text{V}_2\text{O}_5$ - Carbo-Thermal

LK

CuK α (1.54054)
Phase Type: $\gamma\text{-Li}_x\text{V}_2\text{O}_5$ ($x=1$)
Symmetry: Orthorhombic
Space Group: Pnma
 $a = 9.687$ (1)
 $b = 3.603$ (2)
 $c = 10.677$ (3)



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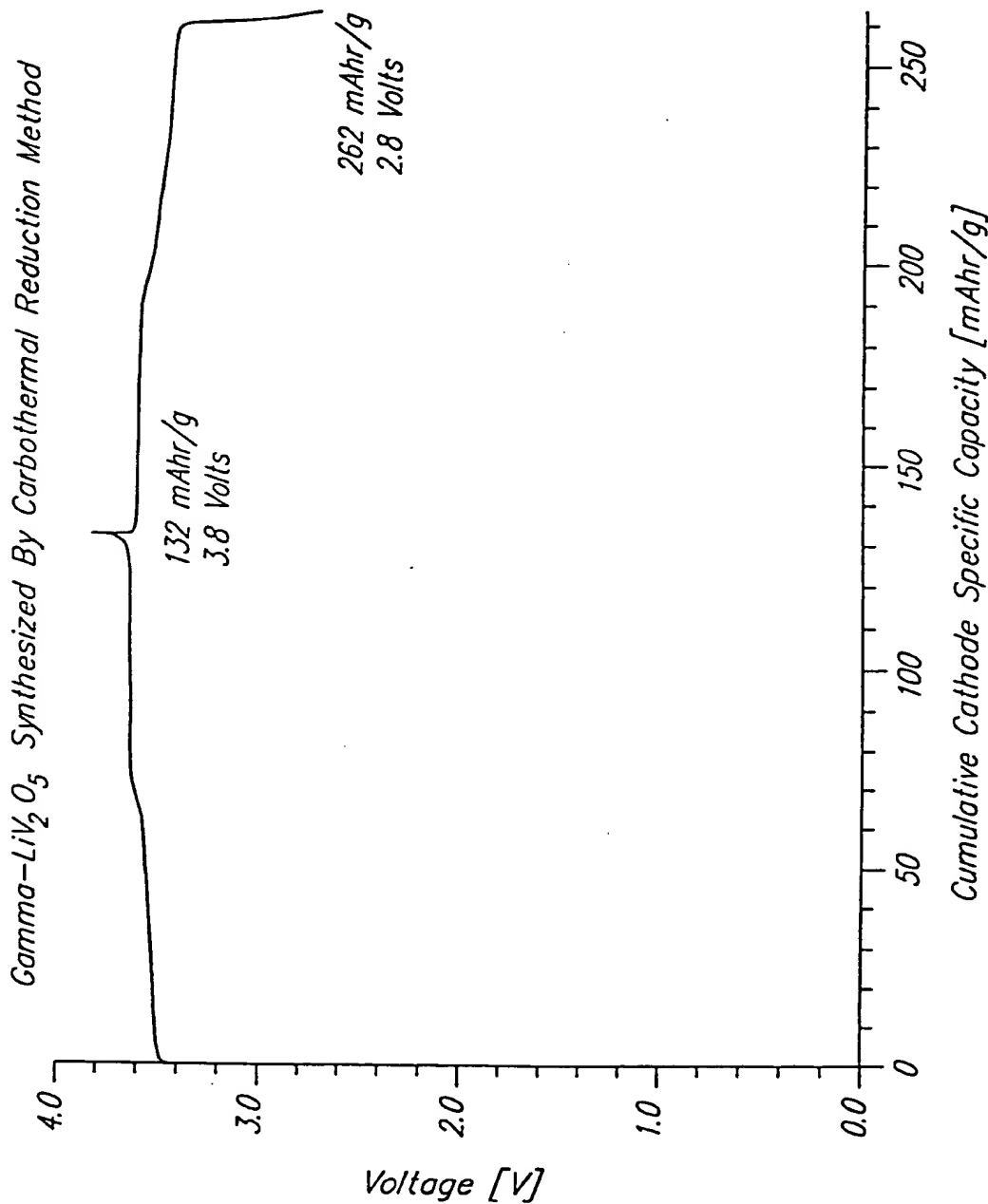


FIG. 12.



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Carbothermal Reduction Method

Gamma-LiV₂O₅ vs. Li
~C/2 Rate, 3.0-3.75V

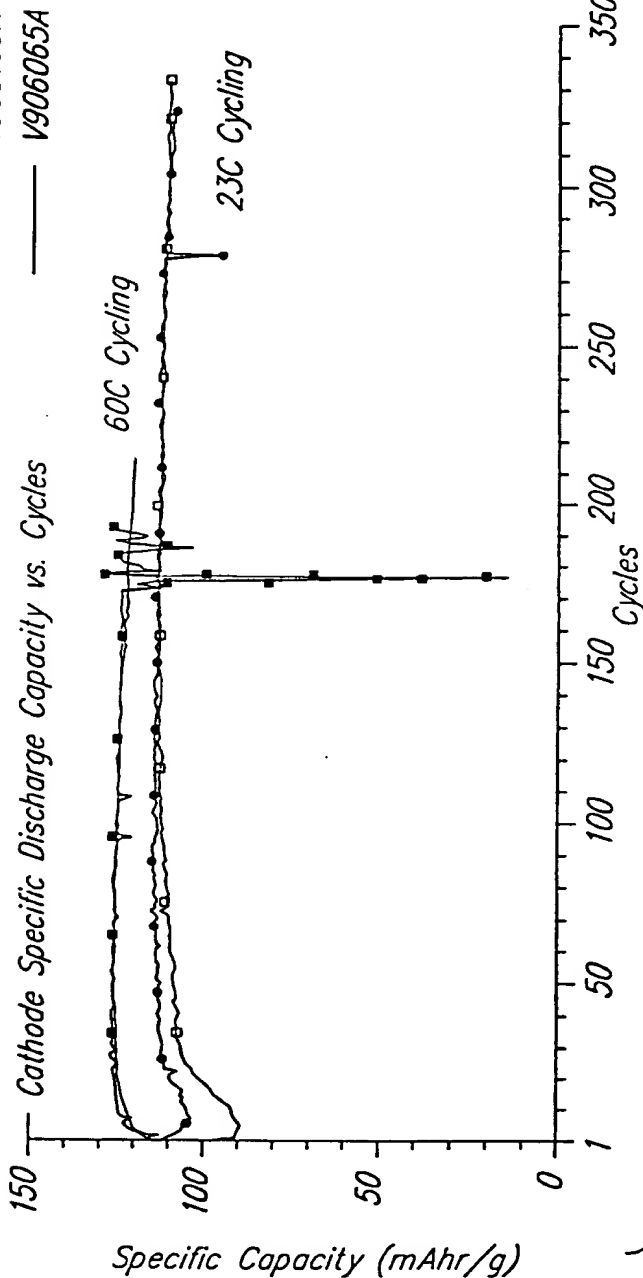
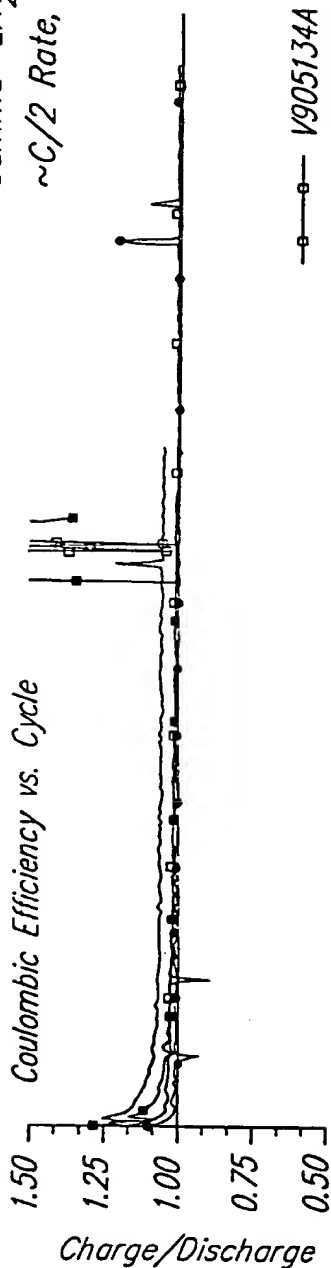


FIG. 13.



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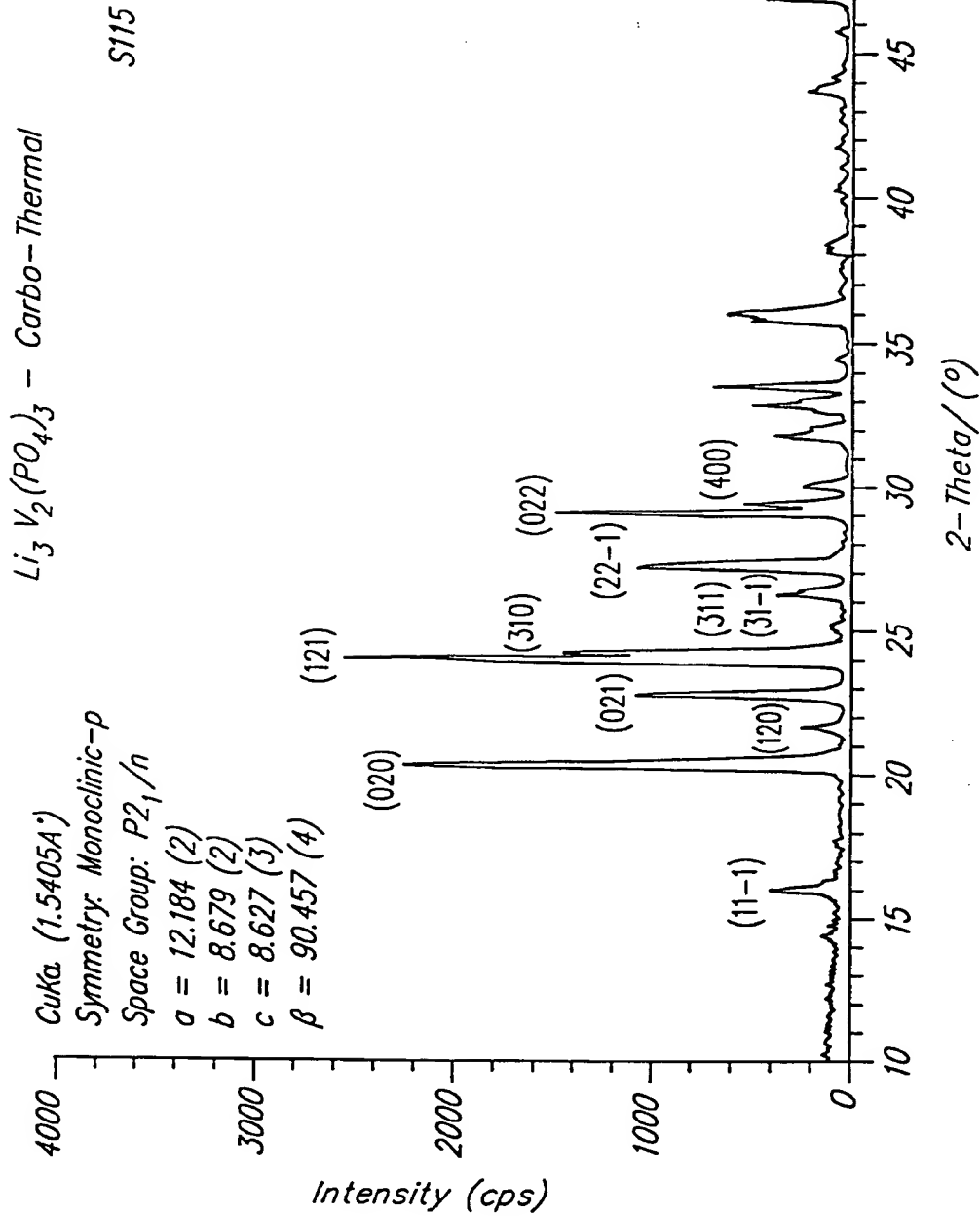


FIG. 14.



Application
Filing Date:
Applicant:
Title:

09/484,799
01/18/00
Barker et al.
LITHIUM-BASED ACTIVE MATERIALS AND PREPARATION THEREOF

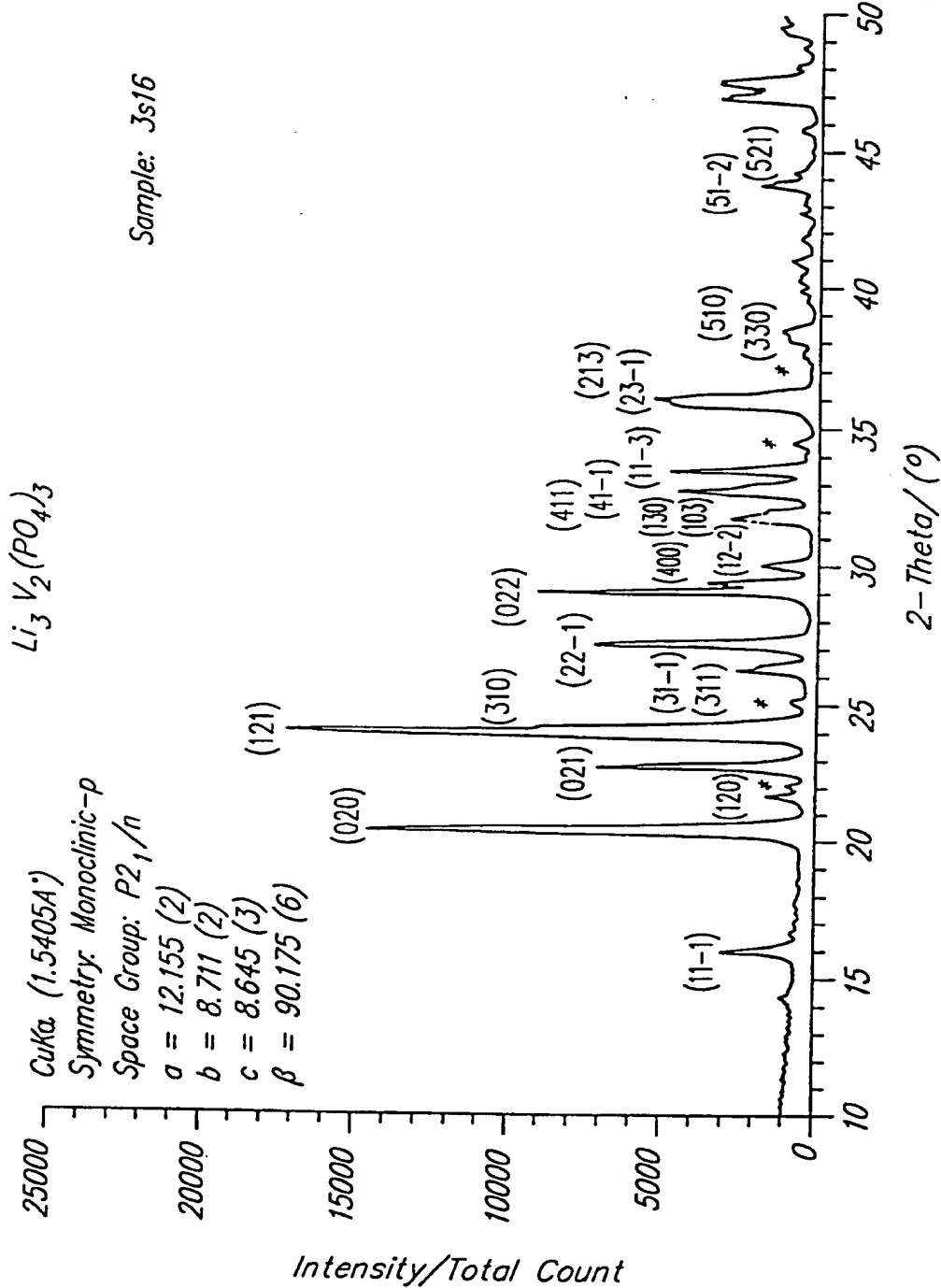
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Sample: 3s16



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$\text{Li}_3\text{V}_2(\text{PO}_4)_3$ Synthesis By Carbothermal Reduction Method 13.8 mg Active

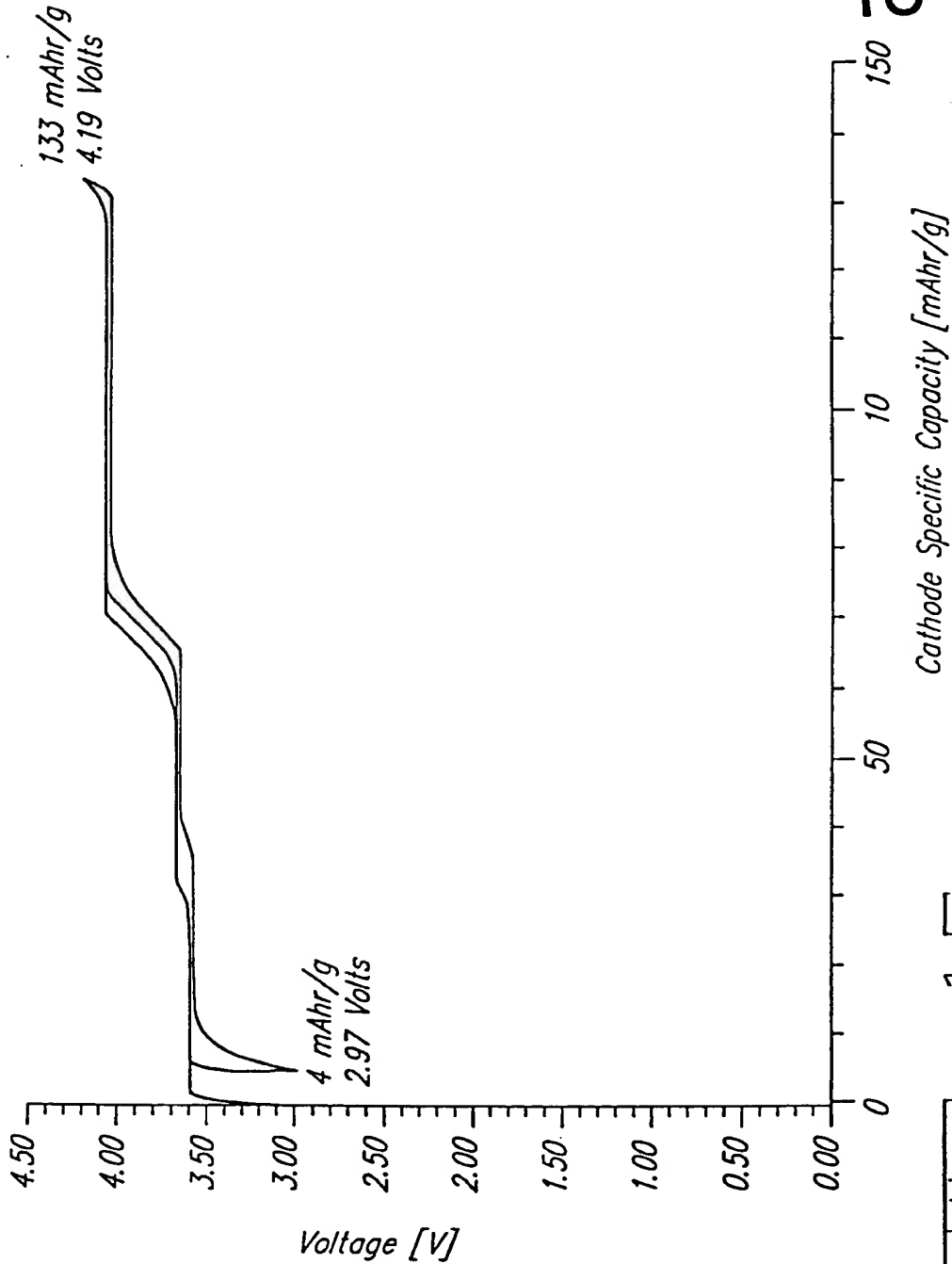


FIG. 1B.

Application: 09/484,799
Filing Date: 01/18/00
Applicant: Barker et al.
Title: LITHIUM-BASED ACTIVE MATERIALS AND PREPARATION THEREOF



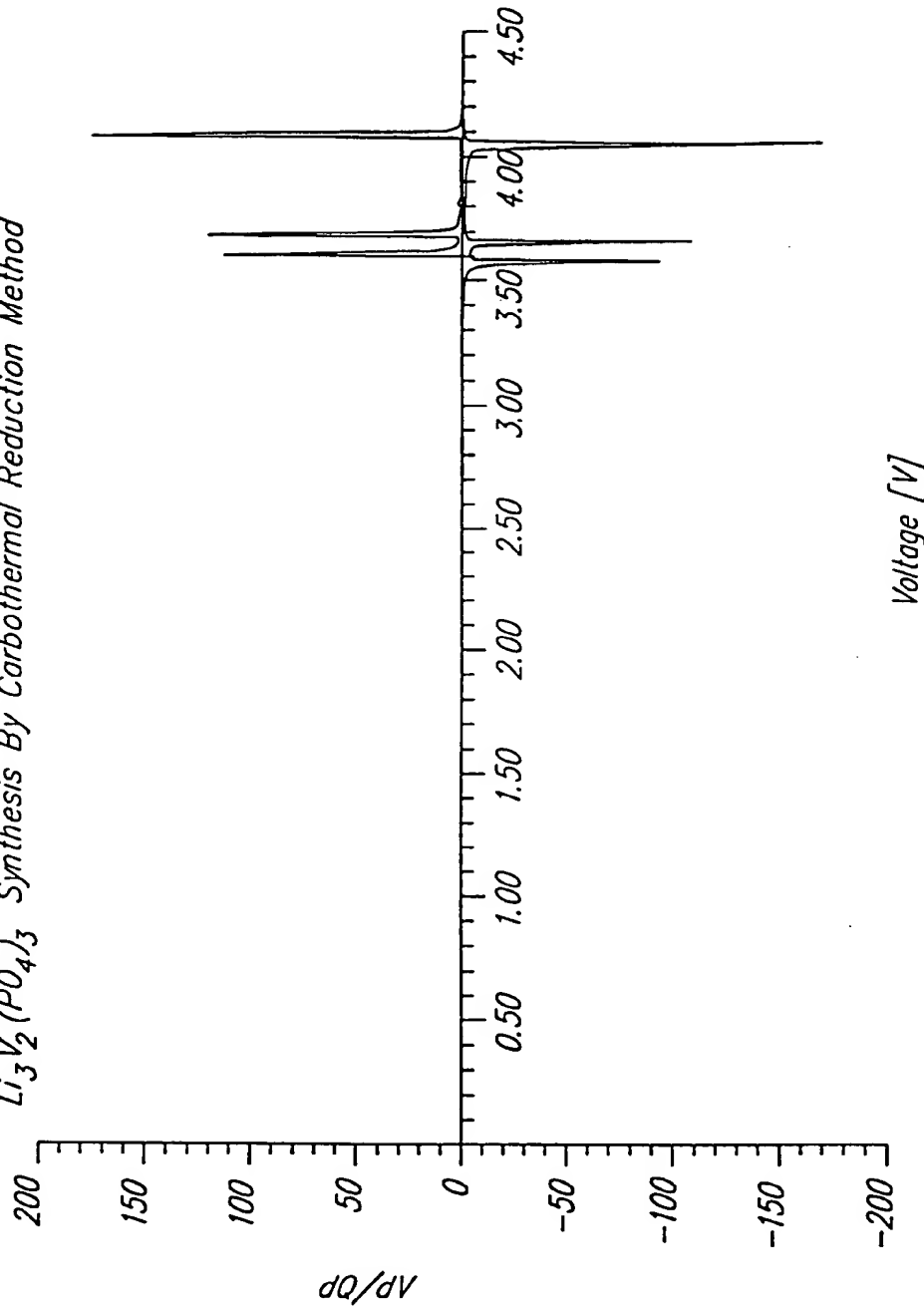
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$\text{Li}_3\text{V}_2(\text{PO}_4)_3$ Synthesis By Carbothermal Reduction Method



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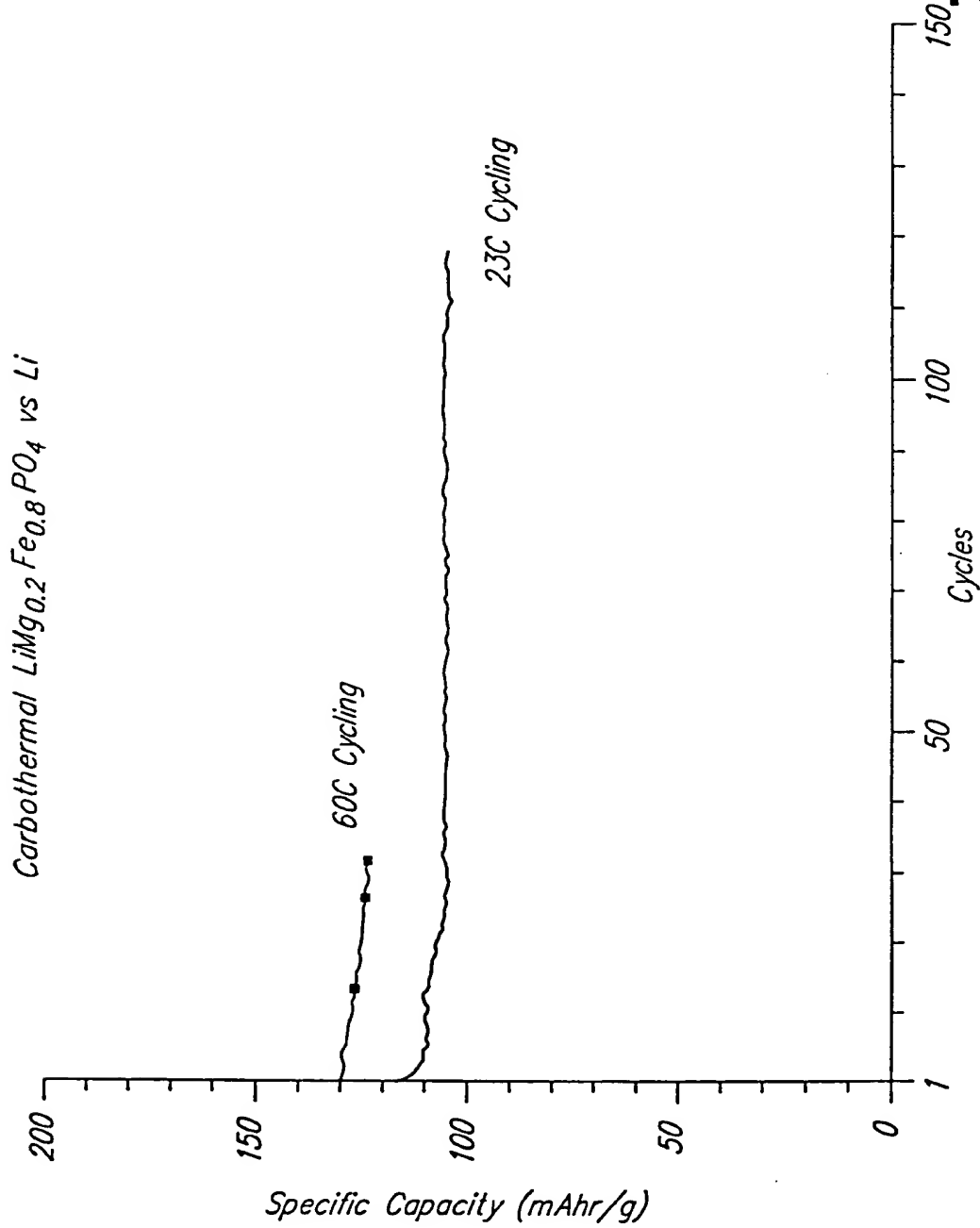


FIG. 1B.



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Voltage Profile For $\text{LiMg}_{0.1}\text{Fe}_{0.9}\text{PO}_4$ vs MCMB

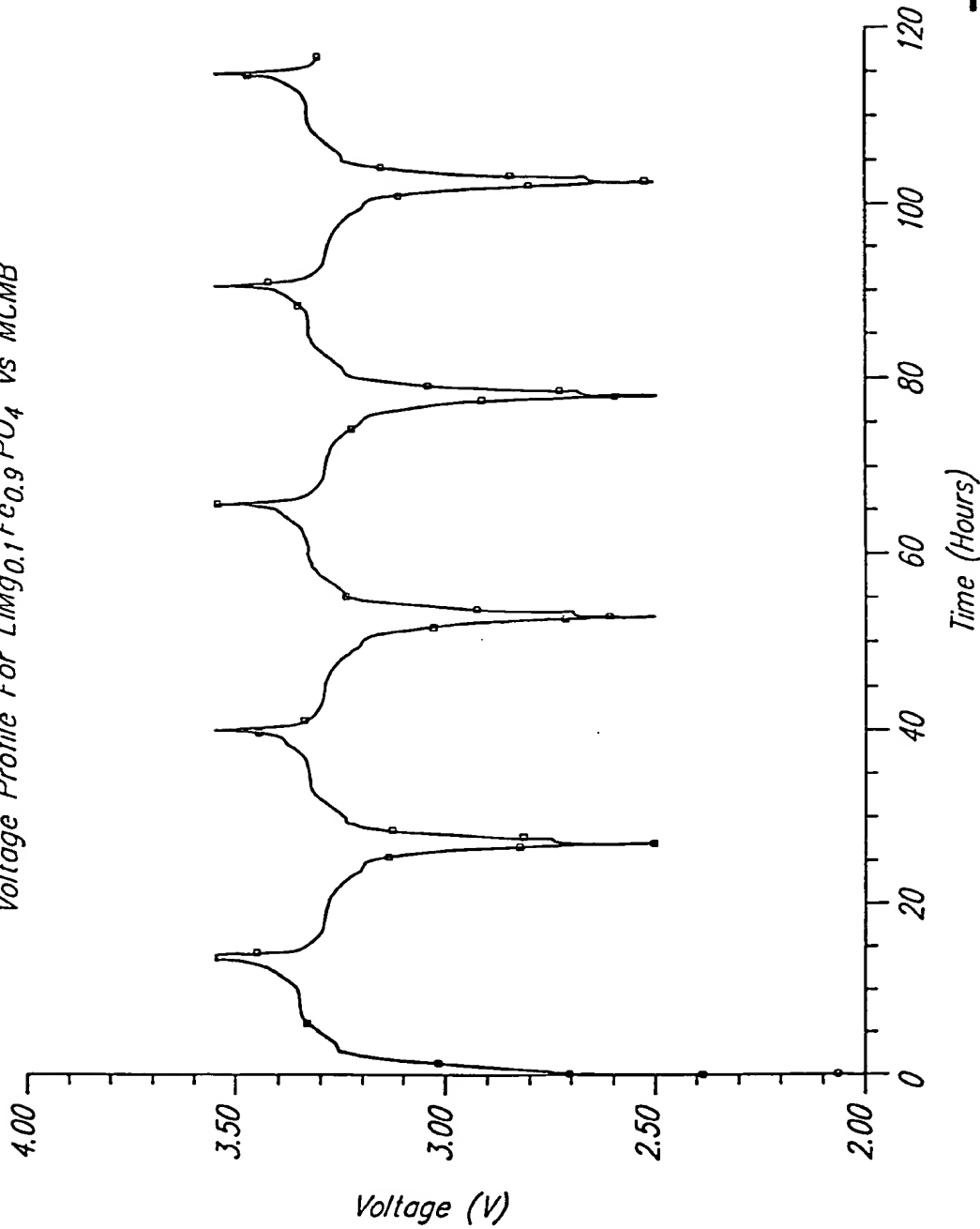


FIG. 19.



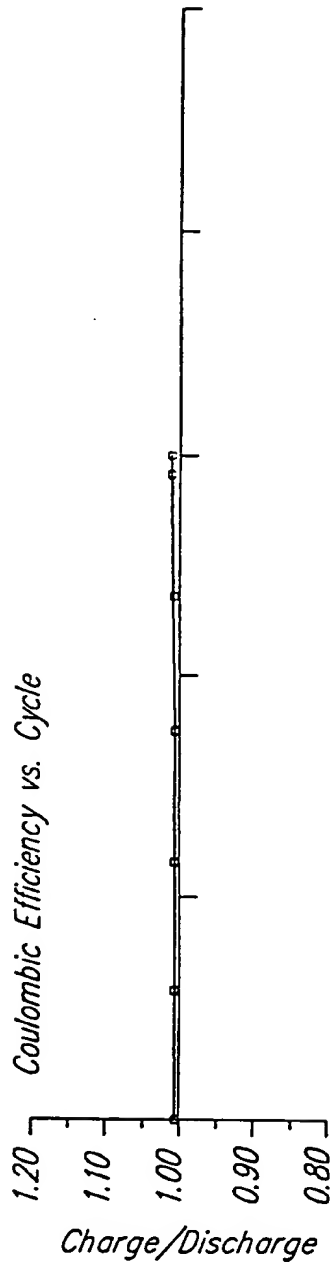
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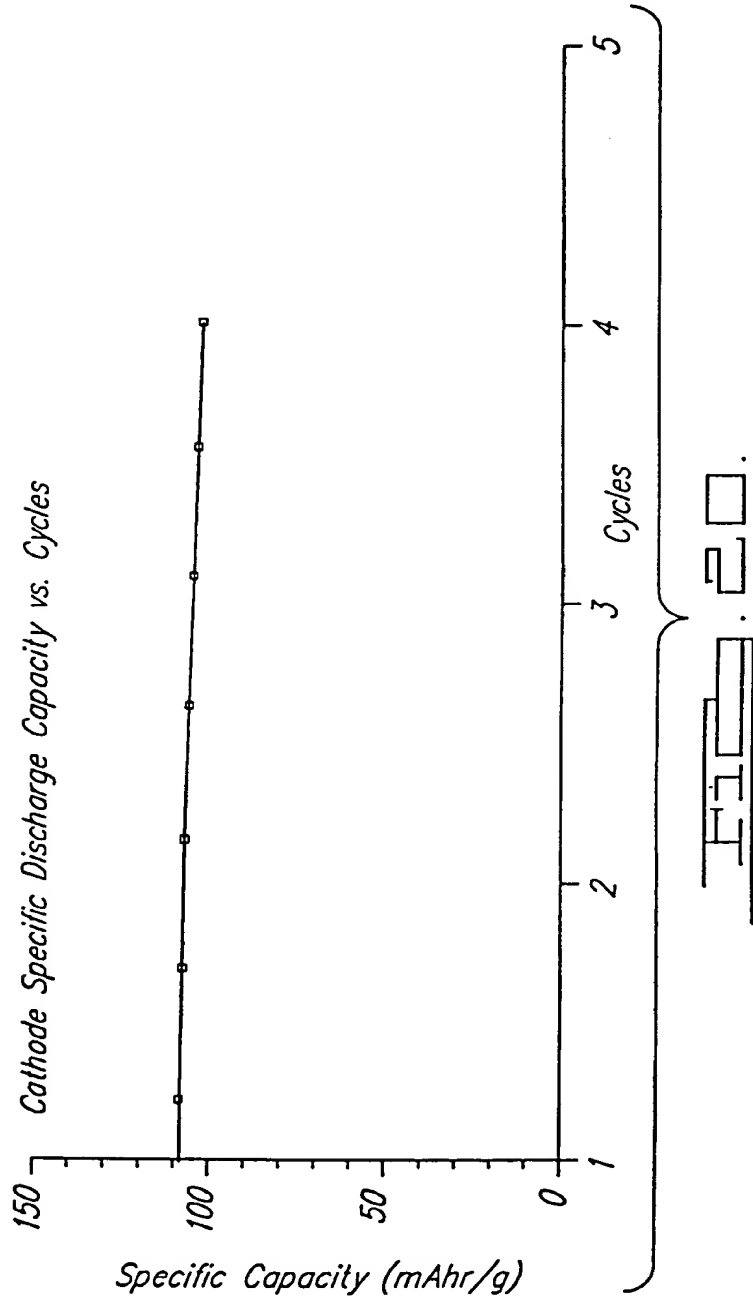
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Carbothermal $\text{LiMg}_{0.1}\text{Fe}_{0.9}\text{PO}_4$ vs MCMB



Cathode Specific Discharge Capacity vs. Cycles





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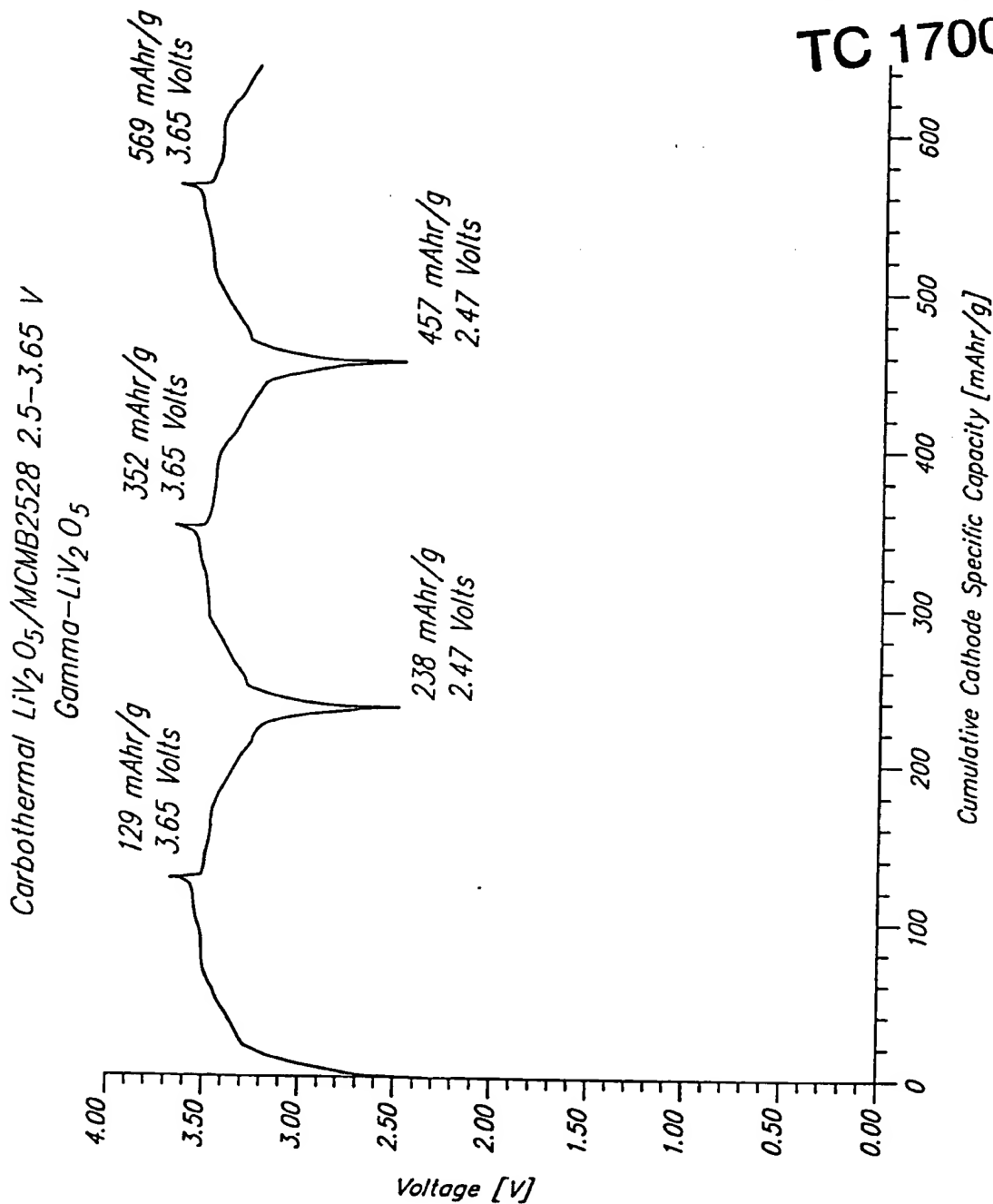


FIG. 21



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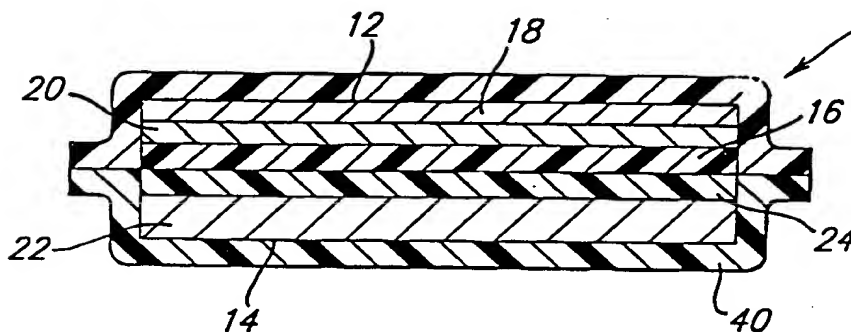


FIG. 22.

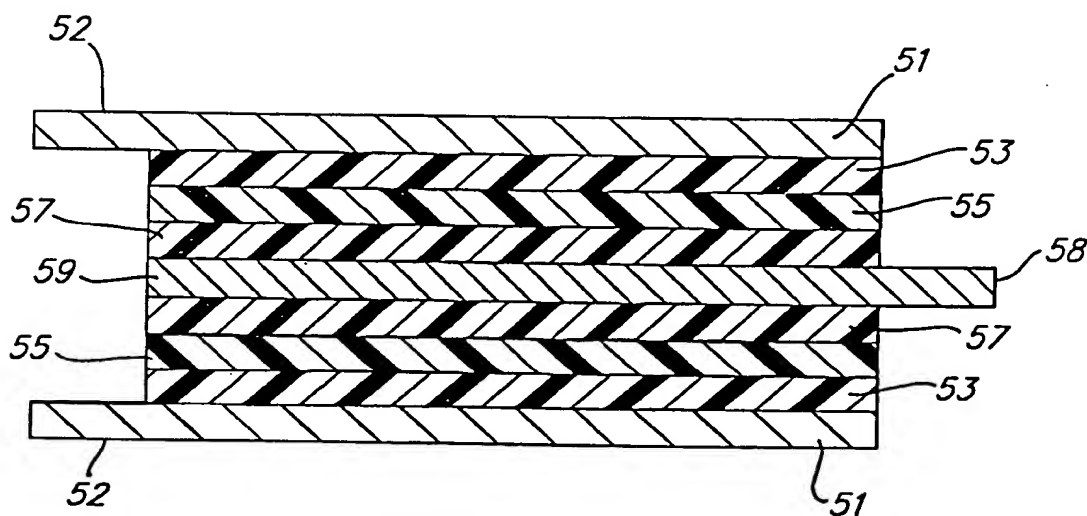


FIG. 23.